

In the claims:

1. (currently Amended) A system for the exchange of electronic data for optimizing a processing chain and/or a management chain for producing agricultural products between a plurality of users comprising:

users operable as both a provider and a receiver of information

at least one user functioning as a receiver and at least one user functioning as a provider;

a data exchange network; and

a central data memory

wherein:

said receiver including agricultural machines having a sensor system which obtains agricultural information related to the agricultural machines, generates questions for optimizing agricultural machine parameters and forward them to the data exchange network,

said provider recognizes such questions which it can reply for creating an answer said provider work together with sub-providers, said provider receives the questions generated by said receiver, creates answer data sets responsive to said questions and delivers the answer data set to a corresponding agricultural machine, for optimization of said agricultural machine parameters, which answer data sets is a required information, and which contain extending or background information which have not been required, but which will be useful for an efficient

processing and/or management chain in agricultural content, for optimizing an employment of machines selected from the group consisting of availability, reducing stand still, full capacity use, and if the machine is in operation for optimizing a cooperation/team work process between the machines among themselves or between the machines and processing plants/facilities, selected from the group consisting of drying plant, storage operator, further processing, of a processing chain, and for optimizing an efficiency of the machines involved in the processing chain by adjusting process elements of the machines,

wherein

said users comprise machines and/or businesses engaged in planting, caring for, harvesting, storing and/or processing of agricultural products, machine manufacturers, weather services, crop advisory services, and planting advisors.

Claim 2 cancelled.

3. (previously presented) The system as defined in claim 1, wherein provider groups identify themselves as services that are accessible to said at least one user.

4. (previously presented) The system as defined in claim 1, wherein said provider defines access rights to said service.

5. (previously presented) The system as defined in claim 1, wherein said provider transmits said results and other users edit said results to provide information beyond the question posted by the receiver.

Claim 6 cancelled.

7. (previously presented) The system as defined in claim 1, wherein said results generated by said provider comprises referring to at least one other result generated by least one other provider and/or sub-service providers.

8. (previously presented) The system as defined in claim 1, wherein said service of said provider is permanently or temporarily connected as need requires to said receiver generating said question postings.

9. (previously presented) The system as defined in claim 1, wherein said service of said provider provides additional information that is not expressly required by said receiver, which increases service quality provided by said provider.

10. (previously presented ) The system as defined in claim 9, wherein said provider providing said service obtains said additional information

by retrieving said additional information from another service provided by another service provider.

11. (previously presented) The system as defined in claim 1, wherein services of a plurality of service providers are made available to said receiver by said provider and/or a selection of said services is made available to said receiver by a number of different service providers.

12. (previously presented) The system as defined in claim 1, wherein said provider is a stationary unit or a mobile unit and communicates via said at least one data exchange system with said receiver and/or said provider.

13. (previously presented) The system as defined in claim 1, wherein said provider and said receiver alternately exchange said required information by means of said data exchange network.

14. (previously presented) The system as defined in claim 13, wherein said data exchange network is global or spatially limited.

15. (previously presented) The system as defined in claim 12, wherein said stationary unit or said mobile unit have sensors for generating receiver-specific information, and said receiver-specific information is made

available to at least one service provider and/or at least one further receiver by means of said data exchange network.

16. (previously presented) The system as defined in claim 1, wherein said question postings and results generated by said users in said data exchange network is generated in a standardized format.

Claim 17 cancelled.

18. (currently amended) A method for the exchange of electronic data for optimizing a processing chain and/or a management chain for producing agricultural products between a plurality of users comprising the steps of

providing users operable as both a provider and a receiver of information  
at least one user functioning as a receiver and at least one user functioning as a provider;

providing a data exchange network;

providing a central data memory

generating by said receiver, including agricultural machines having a sensor system which obtains agricultural information related to the agricultural machines, questions for optimizing agricultural machine parameters and  
forwarding them to the data exchange network,

recognizing by said provider such questions which it can reply for creating an-answer data sets said provider work together with sub-providers, responsive to said questions and delivering the answer data set to a corresponding agricultural machine, for optimization of said agricultural machine parameters,

creating by said provider answer data sets which is a required information, and which contain extending or background information which have not been required, but which will be useful for an efficient processing and/or management chain in agricultural content, for optimizing an employment of machines selected from the group consisting of availability, reducing stand still, full capacity use, and if the machine is in operation for optimizing a cooperation/team work process between the machines among themselves or between the machines and processing plants/facilities, selected from the group consisting of drying plant, storage operator, further processing, of a processing chain, and for optimizing an efficiency of the machines involved in the processing chain by adjusting process elements of the machines; and

using as the users machines and/or businesses engaged in planting, caring for, harvesting, storing and/or processing of agricultural products, machine manufacturers, weather services, crop advisory services, and planting advisors.

19. (previously presented) The method as defined in claim 18, further comprising making said answers, adjusted according to said needs of

said at least one other user, available to said at least one other user in the form of a service of said server.

20. (original) The method as defined in claim 19, wherein said server defines access rights to said service.

21. (previously presented) The method as defined in claim 19, wherein said server makes said required information available as part of said service and makes said required information matched to said requirements of said at least one other user available to said at least one other user in a timely manner.

Claim 22 cancelled.

23. (previously presented) The method as defined in claim 18, wherein said server refers to at least one other server and/or to sub-service providers to obtain necessary information for answering said question postings.

24. (previously presented) The method as defined in claim 18, further comprising providing additional information to said receiver from said service of said server that is not expressly required by said receiver, in order to increase service quality provided by said server.

25. (original) The method as defined in claim 24, wherein said server providing said service obtains said additional information by retrieving said additional information from another service provided by another service provider.

26. (previously presented) The system as defined in claim 1; and further comprising means for remote diagnostic monitoring for machines by respective manufactures.

27. (previously presented) The system as defined in claim 1; and further comprising means for providing weather predictions for planning a use of harvesting machines.

28. (previously presented) The system as defined in claim 1; and further comprising means for providing information for operators of drying plants for planning drying and storage capacity.

29. (previously presented) The system as defined in claim 1; and further comprising means for providing a data exchange between harvesting machines.



30. (previously presented) The system as defined in claim 1; and further comprising means for providing information about product properties and conditions of products to be processed.

31. (previously presented) The system as defined in claim 1; and further comprising means selected from the group consisting of means for remote diagnostic monitoring for machines by respective manufactures, means for providing weather predictions for planning a use of harvesting machines, means for providing information for operators of drying plants for planning drying and storage capacity, means for providing a data exchange between harvesting machines, and means for providing information about product properties and conditions of products to be processed.

32. (previously presented) The method as defined in claim 18; and further comprising performing remote diagnostic monitoring for machines by respective manufactures.

33. (previously presented) The method as defined in claim 18; and further comprising providing weather predictions for planning a use of harvesting machines.

34. (previously presented) The method as defined in claim 18; and further comprising providing information for operators of drying plants for planning drying and storage capacity.

35. (previously presented) The method as defined in claim 18; and further comprising providing a data exchange between harvesting machines.

36. (previously presented) The method as defined in claim 18; and further comprising providing information about product properties and conditions of products to be processed.

37. (previously presented) The method as defined in claim 1; and further comprising the steps selected from the group consisting of performing remote diagnostic monitoring for machines by respective manufactures, providing weather predictions for planning a use of harvesting machines, providing information for operators of drying plants for planning drying and storage capacity, providing a data exchange between harvesting machines, and providing information about product properties and conditions of products to be processed.

38. (new) A system for optimizing a process of producing agricultural products, comprising users operable as a receiver of information and

as a provider of information; and data exchange network for exchanging data between said receiver and said provider and having a central data memory, wherein said receiver includes agricultural machines having a sensor system which obtains agricultural information related to the agricultural machines, generates questions required for optimizing the agricultural machine parameters and forwards said questions to said data exchange network, said provider receiving the questions generated by said receiver, creating answer data sets responsive to said questions and related to the optimizing of agricultural machine parameters, and delivering the answer data sets to a corresponding agricultural machine; and means for optimizing agricultural machine parameters based on said answer data sets.

39. (new) A method for optimizing a process of producing agricultural products, comprising providing users operable as a receiver of information and as a provider of information, and data exchange network for exchanging data between said receiver and said provider and having a central data memory; obtaining by said receiver, which includes agricultural machines having a sensor system, agricultural information related to the agricultural machines; generating questions required for optimizing the agricultural machine parameters; forwarding said questions to said data exchange network; receiving by said provider the questions generated by said receiver, creating answer data sets responsive to said questions and related to the optimizing of agricultural

machine parameters, and delivering the answer data sets to a corresponding agricultural machine; and optimizing agricultural machine parameters based on said answer data sets.